

Geo-lingo Bingo Clue List

Pillow Basalt

1. Silica-deficient volcanic rock
2. Submarine volcanic
3. You might want to rest your head on this rock!

Ribbon Chert

1. Glassy rock
2. Deep ocean deposit
3. Full of fossils

Graywacke

1. Underwater landslide deposit
2. Poorly sorted particles
3. Means “gray gravel” in German

Serpentinite

1. Asbestos- and mercury-laden
2. Hydrated mantle rock
3. State rock of California

Radiolaria

1. Inspired design of entrance gate to 1900 Paris World Exposition.
2. Carnivorous protist
3. Have intricate silica shells

Mid-ocean ridge

1. Eastern boundary of North American Plate
2. Longest geographic feature on Earth
3. New seafloor forms here

Subduction zone

1. Greatest ocean depths here
2. Produces the Ring of Fire
3. Crust consumer

Accretionary wedge

1. Subduction's doorstep
2. Composed of stack of seafloor slabs
3. Tectonic scrapings piled under the continent's edge here

Ice Age

1. Occurs in relation to Earth's orbit
2. Beach parties at the Farallon Islands
3. Time of lowered sea level
4. Formed Yosemite Valley

Marin Headlands

1. Has its own Franciscan Terrane
2. Contains dramatic exposures of seafloor rocks
3. A park location for the Rocks on the Move program

Terrane

1. Has a unique rock composition and metamorphic grade
2. Bounded by faults
3. Looks like a misspelled geographic term

Transform plate boundary

1. Forms by subducting a mid-ocean ridge
2. Characterized by horizontal displacement
3. The San Andreas Fault is an example

Volcanic Arc

1. Found inland of subduction zones
2. Home of the most dangerous volcanoes on Earth
3. The Andes mountain chain is an example

Convection

1. Creates the Earth's magnetic field
2. Found in a boiling pot
3. Drives tectonic plate movement

Ring of Fire

1. Extreme natural disasters occur here
2. Most of the world's earthquakes occur here
3. Circles the Pacific

Turbidite

1. Responsible for snapping Trans-Atlantic cables in 1929.
2. Density flow
3. Transports sediments to produce graywacke

Upwelling

1. Produced by Coriolis effect
2. Temperature- and wind-dependent
3. Supplies nutrients to ocean surface

Endemic species

1. Expect this near serpentine soils
2. Extinction-prone
3. Found within a limited geographic area

Diabase

1. Plutonic, igneous rock
2. Forms in sills and dikes
3. Found at Point Bonita

Franciscan Complex

1. Named by Lawson
2. Formed by process of subduction
3. This rock unit named in San Francisco

Mélange

1. Julia Child's medley
2. Characteristic of an accretionary prism
3. A mixture of sheared rocks

Greenstone

1. Result of hydrothermal alteration
2. Chlorite gives it its color
3. Altered basalt

Blueshist

1. Petroglyphs found on this rock
2. Product of high pressures and low temperatures
3. A rare metamorphic rock

Biostratigraphy

1. A product of evolution
2. Radiolarians provide this
3. A method of dating rocks by using fossils

Marine Terrace

1. A good place to watch sunsets
2. A risky place to build your house
3. A product of tectonic uplift

Carnelian

1. Gathered into oblivion
2. Formed in vesicles of some pillow basalts
3. A semi-precious stone

Thrust fault

1. Marked with a sawtooth
2. Results from colliding landscapes
3. A low angle, reverse type of fault

Lagoon

1. Usually short-lived
2. Experiences changes in salinity
3. Formed when a river valley floods during rising sea levels
4. Contains brackish water